

ATTENUATORS

Type N / Conduction Cooled, DC - 4 GHz, 50 Watts

SPECIFICATIONS:

Models: 2042-XX, 2042-XXF & 2042-XXM

RoHS
Compliant

AEROFLEX
A passion for performance.

Electrical:

Frequency Range _____ DC - 4.0 GHz
Standard dB Values* _____ 3, 6, 10, 20, 30 & 40 dB
Attenuation Accuracy _____ DC - 2 GHz 2 - 4 GHz
3 & 6 dB _____ ± 0.30 dB ± 0.50 dB
10 & 20 dB _____ ± 0.50 dB ± 0.75 dB
30 & 40 dB _____ ± 1.00 dB ± 1.50 dB
VSWR _____ 1.25:1 Max.
Input Power** _____ 50 Watts Avg. @ 25°C
Derated Linearly to 5 Watts @ +125°C
Peak Power _____ 1000 Watts Max.
(5uSec Pulse, .05% Duty Cycle)
Impedance _____ 50 Ohms
Operating Temp Range _____ -55°C to +125°C

Mechanical:

Type N Connectors _____ Passivated Stainless Steel
Mates with MILSTD-348
Conductors _____ Gold Plated Beryllium Copper
Housing _____ Anodized Aluminum

** Power handling capacity is dependant upon proper heatsinking. Surface temperature of unit shall not exceed 125°C for specifications shown. Unit is a unidirectional device. Input shall be at male port unless otherwise specified.

Model Number: **2042-XX**

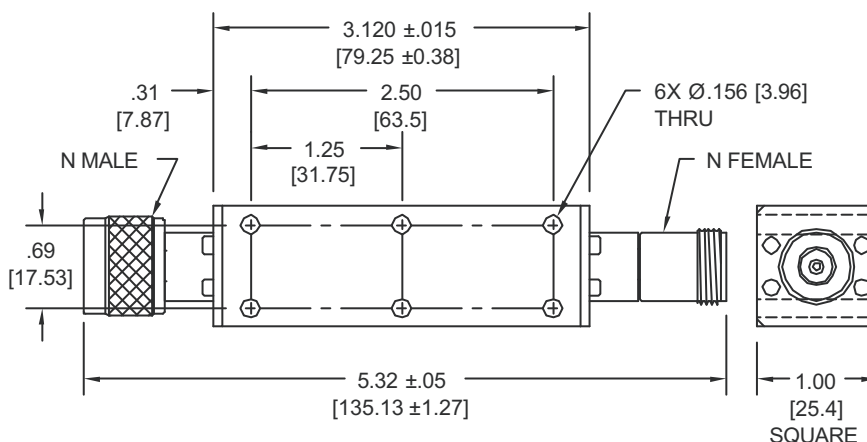
Male/Female Connectors
Length: 5.32 ± 0.05 [135.13 $\pm$ 1.27]
Pictured

Model Number: **2042-XXF**

Female/Female Connectors
Length: 5.40 ± 0.05 [137.16 $\pm$ 1.27]

Model Number: **2042-XXM**

Male/Male Connectors
Length: 5.24 ± 0.05 [133.10 $\pm$ 1.27]



HOW TO ORDER:

Model Number: **2042-XXY**

Connector Configuration
= Male/Female
F = Fem/Fem
M = Male/Male
dB Value

Ordering Examples:

Model Number: **2042-20**
DC - 4 GHz; 20 dB; Type N - Male/Fem

Model Number: **2042-02F**
DC - 4 GHz; 2 dB; Type N - Fem/Fem

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

2042: REV H

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